

#2

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RAW SEQUENCE LISTING

DATE: 08/15/2001

PATENT APPLICATION: US/09/922,378

TIME: 08:14:15

Input Set : A:\428d3.app.txt

Output Set: N:\CRF3\08132001\I922378.raw

ENTERED

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4 <110> APPLICANT: Horne, William A.
5   Oltersdorf, Tilman
7 <120> TITLE OF INVENTION: HUMAN BAD POLYPEPTIDES, ENCODING NUCLEIC
8   ACIDS AND METHODS OF USE
11 <130> FILE REFERENCE: 480140.428D3
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/922,378
C--> 15 <141> CURRENT FILING DATE: 2001-08-03
15 <160> NUMBER OF SEQ ID NOS: 15
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 946
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
25 gggcctaggg cgccgggtca ggggcctcga gatcgggctt gggcccagag catgttccag      60
26 atcccagagt ttgagccgag tgagcaggaa gactccagct ctgcagagag gggcctgggc      120
27 cccagccccg caggggacgg gccctcaggc tccggcaagc atcatcgcca ggccccaggc      180
28 ctctgtggg acgccagtca ccagcaggag cagccaacca gcagcagcca tcatggaggc      240
29 gctggggctg tggagatccg gagtgcggac agtctctacc ccgcggggac ggaggacgac      300
30 gaagggatgg gggaggagcc cagccccttt cggggccgct cgcgctcggc gccccccaac      360
31 ctctgggcag cacagcgcta tggccgcgag ctccggagga tgagtgcga gtttgtggac      420
32 tcctttaaga agggacttcc tcgcccgaag agcgcgggca cagcaacgca gatgcggcaa      480
33 agtccagct ggacgcgagt cttccagtc tggtgggatc ggaacttggg caggggaagc      540
34 tccgccccct cccagtgacc ttcggtccac atcccgaat ccacccgttc ccattgccct      600
35 gggcagccat tttgaatatg ggaggaagta agttccctca ggcctatgca aaaagaggat      660
36 cegtgtgtga tcctttggag ggagggttga cccagattcc cttccggtgt gtgtgaagcc      720
37 acggaagggt ggtcccatcg gaagttttgg gttttccgcc cacagccgcc ggaagtggct      780
38 cegtggcccc gccctcaggt tccggggttt cccccaggcg cctgcgctaa gtacgcagcc      840
39 aggtttaacc gttgtgtcac cgggaccgca gccccgcga tgcctgggg gccgtgatca      900
40 gtaccaaata ttaataaagc ccgctgtgtg gccaaaaaaa aaaaaa      946
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 168
44 <212> TYPE: PRT
45 <213> ORGANISM: Homo sapiens
47 <400> SEQUENCE: 2
48 Met Phe Gln Ile Pro Glu Phe Glu Pro Ser Glu Gln Glu Asp Ser Ser
49 1           5           10           15
50 Ser Ala Glu Arg Gly Leu Gly Pro Ser Pro Ala Gly Asp Gly Pro Ser
51           20           25           30
52 Gly Ser Gly Lys His His Arg Gln Ala Pro Gly Leu Leu Trp Asp Ala
53           35           40           45
54 Ser His Gln Gln Glu Gln Pro Thr Ser Ser Ser His His Gly Gly Ala
55           50           55           60
56 Gly Ala Val Glu Ile Arg Ser Arg His Ser Ser Tyr Pro Ala Gly Thr
57 65           70           75           80
58 Glu Asp Asp Glu Gly Met Gly Glu Glu Pro Ser Pro Phe Arg Gly Arg
59           85           90           95

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60 Ser Arg Ser Ala Pro Pro Asn Leu Trp Ala Ala Gln Arg Tyr Gly Arg
61      100      105      110
62 Glu Leu Arg Arg Met Ser Asp Glu Phe Val Asp Ser Phe Lys Lys Gly
63      115      120      125
64 Leu Pro Arg Pro Lys Ser Ala Gly Thr Ala Thr Gln Met Arg Gln Ser
65      130      135      140
66 Ser Ser Trp Thr Arg Val Phe Gln Ser Trp Trp Asp Arg Asn Leu Gly
67 145      150      155      160
68 Arg Gly Ser Ser Ala Pro Ser Gln
69      165

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71 <210> SEQ ID NO: 3

72 <211> LENGTH: 204

73 <212> TYPE: PRT

74 <213> ORGANISM: Mus musculus

76 <400> SEQUENCE: 3

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77 Met Gly Thr Pro Lys Gln Pro Ser Leu Ala Pro Ala His Ala Leu Gly
78 1      5      10      15
79 Leu Arg Lys Ser Asp Pro Gly Ile Arg Ser Leu Gly Ser Asp Ala Gly
80      20      25      30
81 Gly Arg Arg Trp Arg Pro Ala Ala Gln Ser Met Phe Gln Ile Pro Glu
82      35      40      45
83 Phe Glu Pro Ser Glu Gln Glu Asp Ala Ser Ala Thr Asp Arg Gly Leu
84      50      55      60
85 Gly Pro Ser Leu Thr Glu Asp Gln Pro Gly Pro Tyr Leu Ala Pro Gly
86 65      70      75      80
87 Leu Leu Gly Ser Asn Ile His Gln Gln Gly Arg Ala Ala Thr Asn Ser
88      85      90      95
89 His His Gly Gly Ala Gly Ala Met Glu Thr Arg Ser Arg His Ser Ser
90      100      105      110
91 Tyr Pro Ala Gly Thr Glu Glu Asp Glu Gly Met Glu Glu Glu Leu Ser
92      115      120      125
93 Pro Phe Arg Gly Arg Ser Arg Ser Ala Pro Pro Asn Leu Trp Ala Ala
94      130      135      140
95 Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Thr Asp Glu Phe Glu Gly
96 145      150      155      160
97 Ser Phe Lys Gly Leu Pro Arg Pro Lys Ser Ala Gly Thr Ala Thr Gln
98      165      170      175
99 Met Arg Gln Ser Ala Gly Trp Thr Arg Ile Ile Gln Ser Trp Trp Asp
100      180      185      190
101 Arg Asn Leu Gly Lys Gly Gly Ser Thr Pro Ser Gln
102      195      200

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104 <210> SEQ ID NO: 4

105 <211> LENGTH: 33

106 <212> TYPE: DNA

107 <213> ORGANISM: Artificial Sequence ✓

109 <220> FEATURE:

110 <223> OTHER INFORMATION: PCR primer ✓

112 <400> SEQUENCE: 4

113 atcagtgaat tcactatggt ccagatccca gac

33

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Input Set : A:\428d3.app.txt

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115 <210> SEQ ID NO: 5
116 <211> LENGTH: 33
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence ✓
120 <220> FEATURE:
121 <223> OTHER INFORMATION: PCR primer ✓
123 <400> SEQUENCE: 5
124 atcgatctcg agtcactggg agggggcgga gct 33
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 35
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence ✓
131 <220> FEATURE:
132 <223> OTHER INFORMATION: PCR primer ✓
134 <400> SEQUENCE: 6
135 atcagtgaat tcactatggc ttcggggcaa ggccc 35
137 <210> SEQ ID NO: 7
138 <211> LENGTH: 35
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence ✓
142 <220> FEATURE:
143 <223> OTHER INFORMATION: PCR primer ✓
145 <400> SEQUENCE: 7
146 atcgatctcg agtcagttca ggatgggacc attgc 35
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 33
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence ✓
153 <220> FEATURE:
154 <223> OTHER INFORMATION: PCR primer ✓
156 <400> SEQUENCE: 8
157 atcagtgaat tcactatgga cgggtccggg gag 33
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 36
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence ✓
164 <220> FEATURE:
165 <223> OTHER INFORMATION: PCR primer ✓
167 <400> SEQUENCE: 9
168 tacagtctcg agtcaggtca cgggtctgcc cgtggg 36
170 <210> SEQ ID NO: 10
171 <211> LENGTH: 29
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence ✓
175 <220> FEATURE:
176 <223> OTHER INFORMATION: PCR primer ✓
178 <400> SEQUENCE: 10
179 gggaattcca tatgttccag atcccagag 29
181 <210> SEQ ID NO: 11

RAW SEQUENCE LISTING

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Input Set : A:\428d3.app.txt

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182 <211> LENGTH: 33
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence ✓
186 <220> FEATURE:
187 <223> OTHER INFORMATION: PCR primer ✓
189 <400> SEQUENCE: 11
190 tacagtctcg agtcactggg agggggcgga gct 33
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 30
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence ✓
197 <220> FEATURE:
198 <223> OTHER INFORMATION: PCR primer ✓
200 <400> SEQUENCE: 12
201 agtatcgaat tcatgtctca gagcaaccgg 30
203 <210> SEQ ID NO: 13
204 <211> LENGTH: 33
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence ✓
208 <220> FEATURE:
209 <223> OTHER INFORMATION: PCR primer ✓
211 <400> SEQUENCE: 13
212 attgatgaat tcggtgaagc gttcctggcc ctt 33
214 <210> SEQ ID NO: 14
215 <211> LENGTH: 33
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence ✓
219 <220> FEATURE:
220 <223> OTHER INFORMATION: PCR primer ✓
222 <400> SEQUENCE: 14
223 atcagtctcg agactatgga cgggtccggg gag 33
225 <210> SEQ ID NO: 15
226 <211> LENGTH: 33
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence ✓
230 <220> FEATURE:
231 <223> OTHER INFORMATION: PCR primer ✓
233 <400> SEQUENCE: 15
234 tacgatgaat tcggtcacgg tctgccacgt ggg 33

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/922,378

DATE: 08/15/2001

TIME: 08:14:16

Input Set : A:\428d3.app.txt

Output Set: N:\CRF3\08132001\I922378.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date